Setup Guide — FOXBOX 4G Tx/Rx DVI Plus

This card provides quick start instructions for an experienced installer to set up and operate an Extron FOXBOX 4G DVI Plus transmitter and receiver.

IMPORTANT: Refer to www.extron.com for the complete user manual and installation instructions before connecting the product to the power source.

NOTE *The FOXBOX 4G Tx DVI Plus transmitter's fiber optic output signal can be received **only** by a FOXBOX 4G Rx DVI Plus receiver.*

The FOXBOX 4G Rx DVI Plus receiver can accept inputs from any FOX 500 or FOXBOX 4G transmitter, including VGA models.

Installation

Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the transmitter and receiver as required.

Step 2 — Input and output connections

a. Connect a DVI video source to the transmitter and a display to the receiver via the transmitter's Input and the receiver's Ouput DVI connectors.

b. Connect unbalanced stereo or mono audio input and an audio output device to the units' 3.5 mm mini jacks.

c. If you want the FOXBOX units to pass serial data or control signals, such as for serial control of a projector, connect the master device to the transmitter and the slave device to the receiver via the first three poles of both units' RS-232 Over Fiber/Alarm 5-pole captive screw connectors.

NOTE *For RS-232 responses (from the receiver to the transmitter), you must install the cable in step **3b** and leave the receiver in normal configuration.*

d. For remote monitoring of the status of the optical links, connect a locally constructed or obtained device to the two Alarm poles of the units' RS-232 Over Fiber/Alarm 5-pole captive screw connectors. The two poles are shorted together when no light is detected.

NOTE *The transmitter's Alarm port reports the status of the Rx light link. The receiver's Alarm port reports the status of the Tx light link.*

Step 3 — Throughput connections

NOTE *You can connect the transmitter and one or more receivers in one of three ways:*

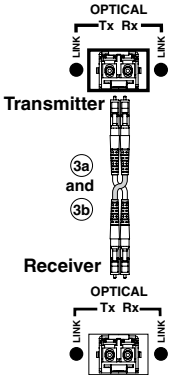
- *One way (transmitter to receiver) only, perform step **3a**.*
- *Two way (transmitter to receiver and return), perform steps **3a** and **3b**.*
- *One way (transmitter to receiver) with daisy chain (receiver to receiver), perform steps **3a** and **3c**.*

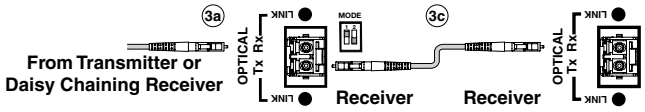
a. Connect the fiber between the transmitter's Tx and receiver's Rx ports.

b. If you want the receiver to send return serial data (such as responses from a controlled device) to the transmitter, connect a cable between the receiver's Tx and transmitter's Rx ports.

c. If you want a receiver to daisy chain the optical signal to another receiver (up to 10 receivers in a daisy chain):

- Connect the receiver's Tx fiber cable to Rx on another receiver.
- Set the first receiver's Mode DIP switch 1 up.





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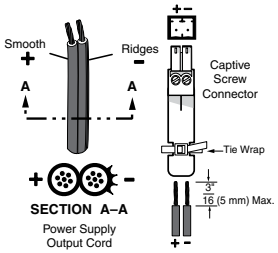
Step 4 — Remote connector

Connect a host device to either unit's front panel Configuration connector via the 9-pin D to 2.5 mm mini jack TRS RS-232 cable that is included with the TX model or available separately using part **#70-335-01**. Refer to the *FOXBOX 4G Tx/Rx User's Manual* for detailed information about the using the Simple Instruction Set (SIS™) commands and the Windows®-based FOX Extender program to set up and operate the transmitter and receiver and to take advantage of the various adjustments and test patterns available on the FOXBOX 4G units.

Step 5 — Power

Connect an IEC power cord between each unit's power connector and a 100 VAC/240 VAC, 50-60 Hz source. Power on the equipment in the following order: output devices, receiver, transmitter, RS-232 controller, and input devices.



Control and Indications

Operation

After all receivers, the transmitter, and their connected devices are powered up, the system is fully operational. If any problems are encountered, verify that the cables are routed and connected properly and that all display devices have identical resolutions and refresh rates. If your problems persist, call the Extron S³ Sales & Technical Support Hotline.

Mode Switch

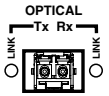
Mode switch (receiver) — To connect the received optical input to another receiver in a daisy chain configuration, set DIP switch 1 to up as shown.

DIP switch 2 is not used.

NOTE *Up to 10 properly-configured receivers can be connected in a daisy chain to a single transmitter.*

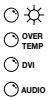
Indications

Tx Link and Rx Link LEDs — When lit, the link is active (light is output [Tx] or received [Rx]).



NOTE *The Link LEDs indicate light transmission only, not whether there is data encoded in the optical link.*

Power LED — This LED lights to indicate that power is applied to the unit.



Over Temp(erature) LED — This LED lights to indicate that the unit is operating at a dangerously high temperature (approximately 167° F [75° C]) and that equipment damage is imminent.

DVI LED — This LED lights on both units when the transmitter detects a signal on its video input. This LED lights on the receiver when the transmitter detects a DVI video signal.

Audio LED — This LED lights on both units when the transmitter detects a low level audio signal for a short period of time. It goes dark if the audio signal drops below the minimum threshold for a short period of time.

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